

```

?show files;ds
File 35:Dissertation Abs Online 1861-2003/Nov
    (c) 2003 ProQuest Info&Learning
File 65:Inside Conferences 1993-2004/Jan W1
    (c) 2004 BLDSC all rts. reserv.
File 8:EI Compendex(R) 1970-2004/Dec W4
    (c) 2004 Elsevier Eng. Info. Inc.
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
    (c) 2002 The Gale Group
File 2:INSPEC 1969-2003/Dec W2
    (c) 2003 Institution of Electrical Engineers
File 94:JICST-EPlus 1985-2004/Jan W1
    (c) 2004 Japan Science and Tech Corp (JST)
File 6:NTIS 1964-2004/Jan W2
    (c) 2004 NTIS, Intl Cpyrght All Rights Res
File 144:Pascal 1973-2003/Dec W2
    (c) 2003 INIST/CNRS
File 34:SciSearch(R) Cited Ref Sci 1990-2004/Jan W1
    (c) 2004 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
    (c) 1998 Inst for Sci Info
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Nov
    (c) 2003 The HW Wilson Co.
File 111:TGG Natl. Newspaper Index(SM) 1979-2004/Jan 07
    (c) 2004 The Gale Group
File 103:Energy SciTec 1974-2004/Dec B2
    (c) 2004 Contains copyrighted material
File 40:Enviroline(R) 1975-2003/Nov
File 96:FLUIDEX 1972-2003/Dec
    (c) 2003 Elsevier Science Ltd.
File 58:GeoArchive 1974-2003/Jul
    (c) 2003 Geosystems
File 292:GEOBASE(TM) 1980-2004/Jan
    (c) 2004 Elsevier Science Ltd.
File 89:GeoRef 1785-2004/Jan B1
    (c) 2004 American Geological Institute
File 323:RAPRA Rubber & Plastics 1972-2003/Dec
    (c) 2003 RAPRA Technology Ltd
File 48:SPORTDiscus 1962-2003/Dec
    (c) 2003 Sport Information Resource Centre
File 63:Transport Res(TRIS) 1970-2004/Dec
    (c) fmt only 2004 Dialog Corp.
File 25:Weldasearch 1966-2002/Jul
    (c) 2004 TWI Ltd
File 241:Elec. Power DB 1972-1999Jan
    (c) 1999 Electric Power Research Inst. Inc
File 81:MIRA - Motor Industry Research 2001-2004/Dec
    (c) 2004 MIRA Ltd.

Set     Items      Description
S1     4989895    ELECTRIC OR HYBRID OR INTERNAL()COMBUSTION OR EV OR HEV OR
            FUEL()CELL OR IC OR ICE OR BATTER??? OR SOLAR OR INSIGHT OR P-
            RIUS OR HYBRIDELECTRIC
S2     73969      BRAKE? ? OR BRAKING
S3     265117     AXLE? ? OR WHEEL? ? OR AXEL? ? OR SHAFT? ? OR AXLETREE? ?
S4     30039574    TWO OR 2 OR SECOND OR 2ND OR DUPLICATE? ? OR DOUBLE? ? OR -
            TWOFOLD OR DUAL OR PAIR OR FIRST OR 1ST OR SEPARATE OR DISCRE-
            TE OR DISTINCT OR ANOTHER OR DIFFERENT OR OTHER OR ADD?? OR A-
            DDITIONAL
S5     7448364    FRICTION OR DRAG OR RESISTANCE OR ABRASION OR DRUM? ? OR D-
            ISC? ? OR DISK? ? OR BLOCK? ? OR BAND? ? OR SHOE? ? OR PAD OR
            PADS OR AIR OR HYDRAULIC OR VACUUM
S6     1783245    REGENERATI?? OR THERMAL()RESISTOR OR DISSIPAT???(N) POWER OR
            (RECAPTUR?? OR RECOVER?? OR REUS?? OR RE() (USE OR USES OR
            USING OR CLAIM???) OR RECLAIM???) (3W) ENERGY OR DYNAMIC OR REC-

```

OPERATIVE OR ELECTROREGENERATI??

S7 30252 S3(5N)S4
S8 16189 S2(5N)S5
S9 6394 S2(5N)S6
S10 8 S1(S)S7(S)S8(S)S9
S11 19 S7(S)S8(S)S9
S12 32 S7 AND S8 AND S9
S13 12 S1 AND S12
S14 20 S11 OR S13
S15 19 S14 NOT PY>2001
S16 19 S15 NOT PD=20010508:20040229
S17 16 RD (unique items)

17/3,K/6 (Item 6 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

00579079 E.I. Monthly No: EI7611073518 E.I. Yearly No: EI76022306
Title: LET THE MOTOR DO ITS OWN BRAKING.
Author: Girard, M. J.
Corporate Source: Westinghouse Electr Corp, Worcester, Mass
Source: Plant Engineering (Barrington, Illinois) v 30 n 13 Jun 24 1976 p
89-91
Publication Year: 1976
CODEN: PLENAV ISSN: 0032-082X
Language: ENGLISH

Abstract: *Electric* motors can be braked by either of two basic methods. One method requires application of an external, *friction*-type *brake* connected to the motor *shaft*. The *other* method utilizes the electrical characteristics of the motor. Although a motor is defined as something that only imparts motion, an *electric* motor can also be used for retarding the motion of the driven load. This use...

...called electrical braking. The three methods for electrically braking a motor are known as plugging, *regenerative* *braking*, and *dynamic* *braking*. Each method has certain advantages, disadvantages, and limitations.

Descriptors: *ELECTRIC* MOTORS...

17/3,K/11 (Item 1 from file: 103)
DIALOG(R)File 103:Energy SciTec
(c) 2004 Contains copyrighted material. All rts. reserv.

03764269 NEDO-94-920337; EDB-95-008037
Title: High performance AC/DC *dual* model 4 *axle* type inverter controlled locomotive
Original Title: Koseino kochoku ryoyo 4 jiku inverter seigyo denki Kikansha
Author(s): Yamaguchi, H.; Ihara, H.; Endo, N.; Inaka, S. (Hitachi, Ltd.,
Tokyo (Japan))
Source: Hitachi Hyoron (Japan) v 76:5. Coden: HIHYA4 ISSN: 0367-5874
Publication Date: 1 May 1994
p 15-20
Language: Japanese

Title: High performance AC/DC *dual* model 4 *axle* type inverter controlled locomotive
Abstract: An AC/DC *dual* mode 4 *axle* 4000 kW type inverter controlled *electric* locomotive was developed. This improved the traction performance and enabled the use of both AC...

...is PWM (Pulse Width Modulation) control based on GTO (Gate Turn Off) thyristor. For the *air* *brakes*, electrical command type was adopted, and the electrical *brakes* are equipped with *resistance* *dynamic* *braking*. The main parts of the vehicle body are made of high tensile steel and by...

...Major Descriptors: LOCOMOTIVES -- *ELECTRIC* RAILWAYS...

17/AA,AN,TI/1 (Item 1 from file: 8)
DIALOG(R)File 8:(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

04778007
E.I. No: EIP97083779373
Title: Isobar enhances *disc* *brake* performance

17/AA,AN,TI/2 (Item 2 from file: 8)
DIALOG(R)File 8:(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

04106651
E.I. No: EIP95032618883
Title: Quantification of the slip resistance of floor surfaces at industrial sites. part II. choice of optimal measurement conditions

17/AA,AN,TI/3 (Item 3 from file: 8)
DIALOG(R)File 8:(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

02704039
E.I. Monthly No: EI8902012489
Title: Neue stadtbahn-gelenktriebwagen fuer Pittsburgh, PA, USA.
Title: New articulated light rail vehicles for Pittsburgh, PA, USA.

17/AA,AN,TI/4 (Item 4 from file: 8)
DIALOG(R)File 8:(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

02088595
E.I. Monthly No: EIM8605-026895
Title: MANUAL WHEELCHAIR WITH DYNAMIC BRAKING.

17/AA,AN,TI/5 (Item 5 from file: 8)
DIALOG(R)File 8:(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

00643338
E.I. Monthly No: EI7708060102
Title: Braking Equipment for the Future Trainsets.
Title: LES EQUIPEMENTS DE FREINAGE DES FUTURES RAMES.

17/AA,AN,TI/6 (Item 6 from file: 8)
DIALOG(R)File 8:(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

00579079
E.I. Monthly No: EI7611073518
Title: LET THE MOTOR DO ITS OWN BRAKING.

17/AA,AN,TI/7 (Item 1 from file: 2)
DIALOG(R)File 2:(c) 2003 Institution of Electrical Engineers. All rts. reserv.

Title: New light rail vehicles for Pittsburgh, PA, USA

17/AA,AN,TI/8 (Item 2 from file: 2)
DIALOG(R)File 2:(c) 2003 Institution of Electrical Engineers. All rts. reserv.

Title: T 446.3 diesel-*electric* locomotive for mountain railways

17/AA,AN,TI/9 (Item 3 from file: 2)
DIALOG(R)File 2:(c) 2003 Institution of Electrical Engineers. All rts.
reserv.

Title: Turbine/*electric* system powers huge off-road vehicle

17/AA,AN,TI/10 (Item 1 from file: 94)
DIALOG(R)File 94:(c)2004 Japan Science and Tech Corp(JST). All rts.
reserv.

03523782 JICST ACCESSION NUMBER: 98A0114547
Running test of ultra-low floor type light rail rolling stock.

17/AA,AN,TI/11 (Item 1 from file: 103)
DIALOG(R)File 103:(c) 2004 Contains copyrighted material. All rts. reserv.

03764269 NEDO-94-920337; EDB-95-008037
OSTI Permanent No.: 95001298424
Title: High performance AC/DC *dual* model 4 *axle* type inverter
controlled locomotive
Original Title: Koseino kochoku ryoyo 4 jiku inverter seigyo denki kikansha

17/AA,AN,TI/12 (Item 2 from file: 103)
DIALOG(R)File 103:(c) 2004 Contains copyrighted material. All rts. reserv.

02235093 DE-88-012065; EDB-88-177836
Title: Braking systems for high-speed rail vehicles
Title: Research and new technologies in transportation. Vol. *2*.
High-speed railway systems: *Wheel*-on-rail technology
Original Title: Forschung und neue Technologien im Verkehr. Bd. 2.
Schnellbahnsysteme: Rad/Schiene-Technologie

17/AA,AN,TI/13 (Item 3 from file: 103)
DIALOG(R)File 103:(c) 2004 Contains copyrighted material. All rts. reserv.

00878909 EDB-82-053751
Title: Advances in measuring techniques for evaluating safety conditions of
shaft hoisting equipment

17/AA,AN,TI/14 (Item 1 from file: 63)
DIALOG(R)File 63:(c) fmt only 2004 Dialog Corp. All rts. reserv.

00241329
TITLE: BART SETS A \$26-MILLION HEART IN MOTION AT THE TWO THIRDS MARK, THE
PACE QUICKENS TODAY'S MOCK-UP WILL BE A PROTOTYPE BY AUGUST

17/AA,AN,TI/15 (Item 1 from file: 81)
DIALOG(R)File 81: (c) 2004 MIRA Ltd. All rts. reserv.

162341
Mazda unveils MX Sport Tourer at Geneva Motor Show

17/AA,AN,TI/16 (Item 2 from file: 81)
DIALOG(R)File 81: (c) 2004 MIRA Ltd. All rts. reserv.

37986
New City Bus Concepts - Duo Buses, Low-Floor Dieselelectric Buses With
Electric Single-Wheel Drive